

FIG.1

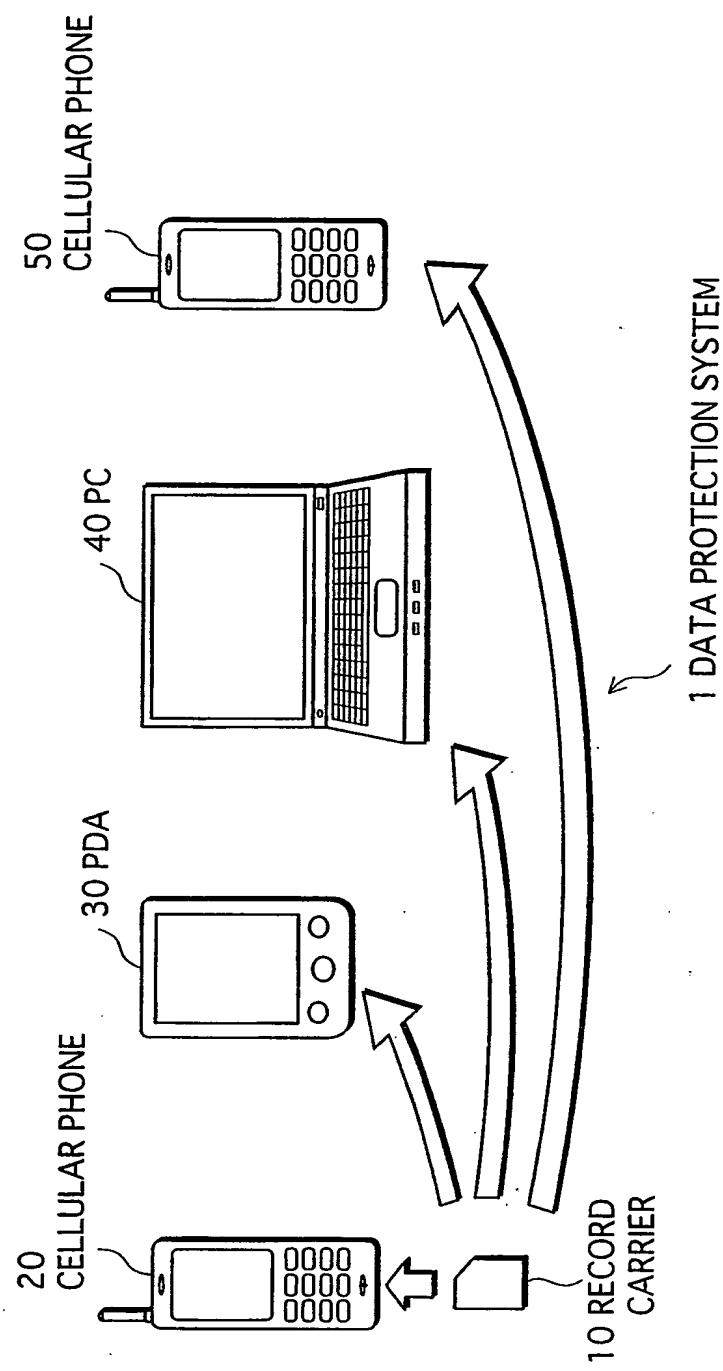
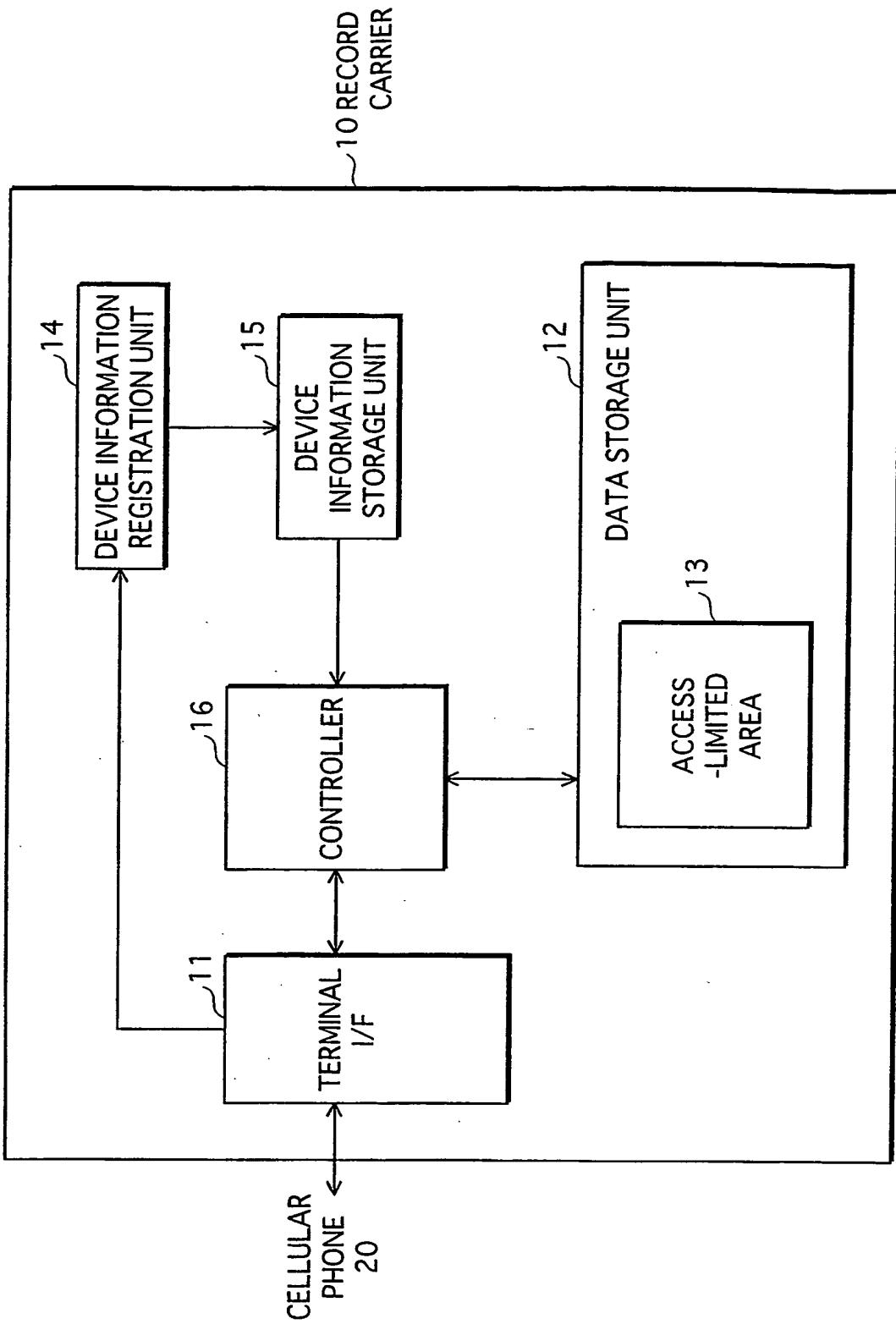


FIG.2



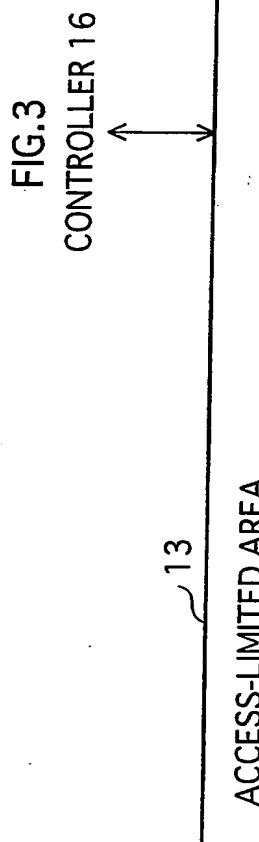


FIG. 4 14 DEVICE INFORMATION REGISTRATION UNIT

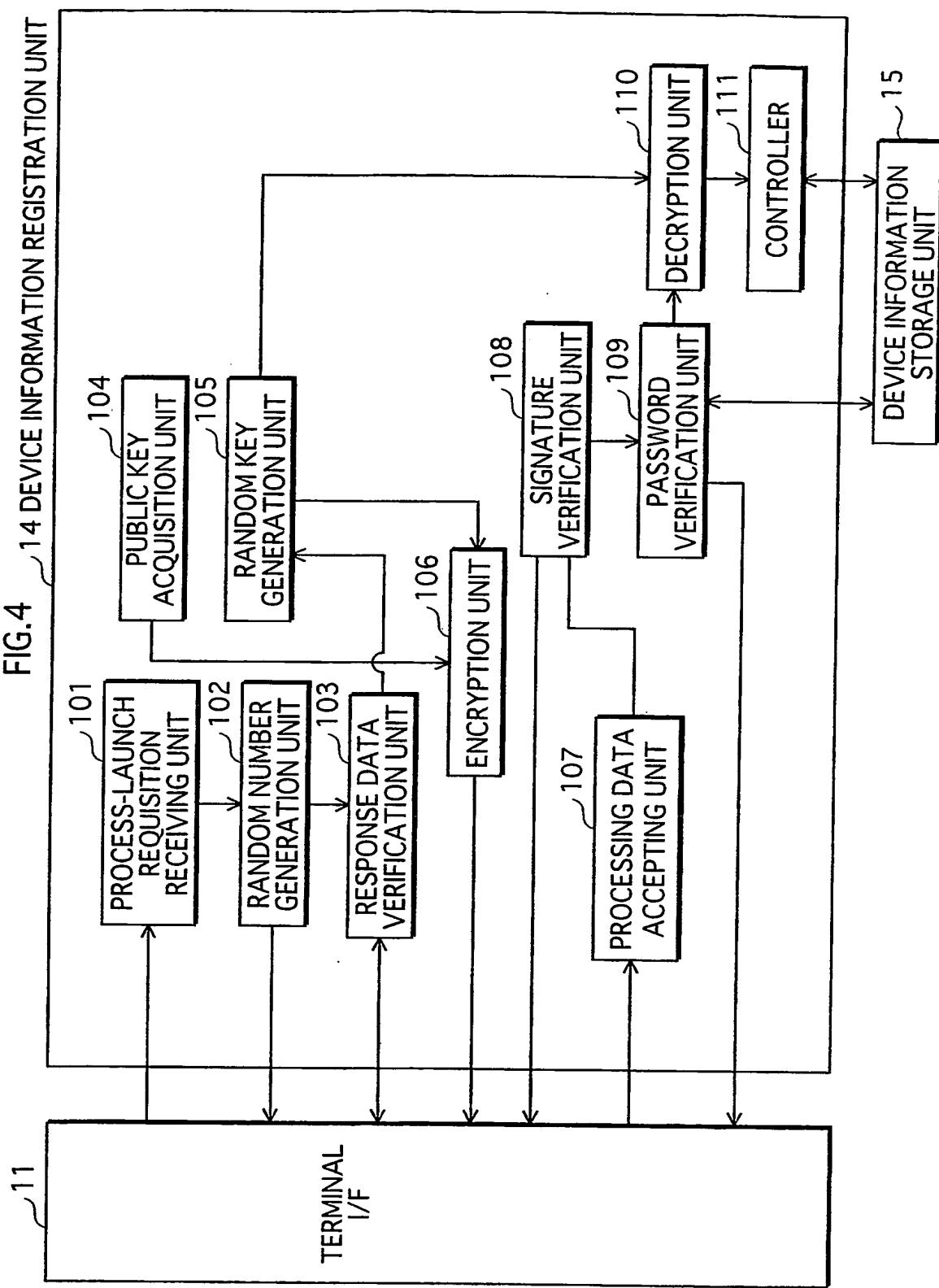


FIG.5

(a)

121~	REGISTRATION COMMAND	/REGISTER
122~	ENCRYPTED REGISTRATION ID LIST	E3(K <sub>r</sub> , REGISTRATI- ON ID LIST)
123~	PASSWORD	PW_A
124~	SIGNATURE DATA	Sig_A

(b)

125

DEVICE ID	AVAILABLE NUMBER OF ACCESS	ACCESS AVAILABLE TIME PERIOD	ACCESS AVAILABLE BLOCK	ACCESS AVAILABLE APPLICATION
ID_A	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
ID_B	3	1/8/2004 -31/7/2005	BLOCK 2	-

126

127

(c)

130

131~	DELETION COMMAND	/DELETE
132~	ENCRYPTED DELETION ID LIST	E3(K <sub>r</sub> , DELETION ID LIST)
133~	PASSWORD	PW_A
134~	SIGNATURE DATA	Sig_A'

(d)

135

DEVICE ID
ID_C
ID_D

FIG.6

140  
↙

DEVICE ID	AVAILABLE NUMBER OF ACCESS	ACCESS AVAILABLE TIME PERIOD	ACCESS AVAILABLE BLOCK	ACCESS AVAILABLE APPLICATION
ID_A	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
ID_B	3	1/8/2004 -31/7/2005	BLOCK2	—
ID_C	5	1/8/2004 -31/7/2006	BLOCK1 BLOCK2	APP1

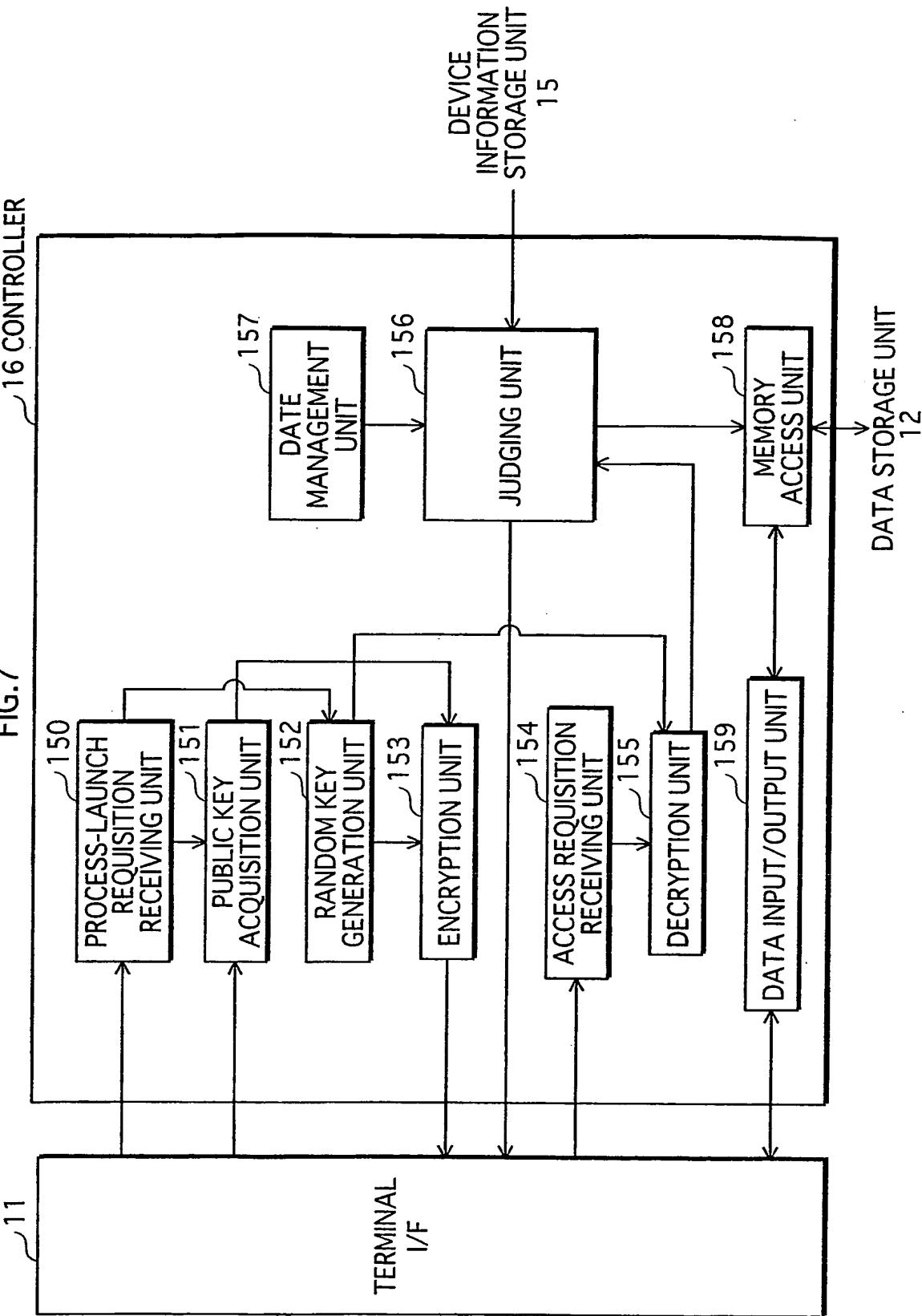
FIG. 7  
16 CONTROLLER

FIG.8

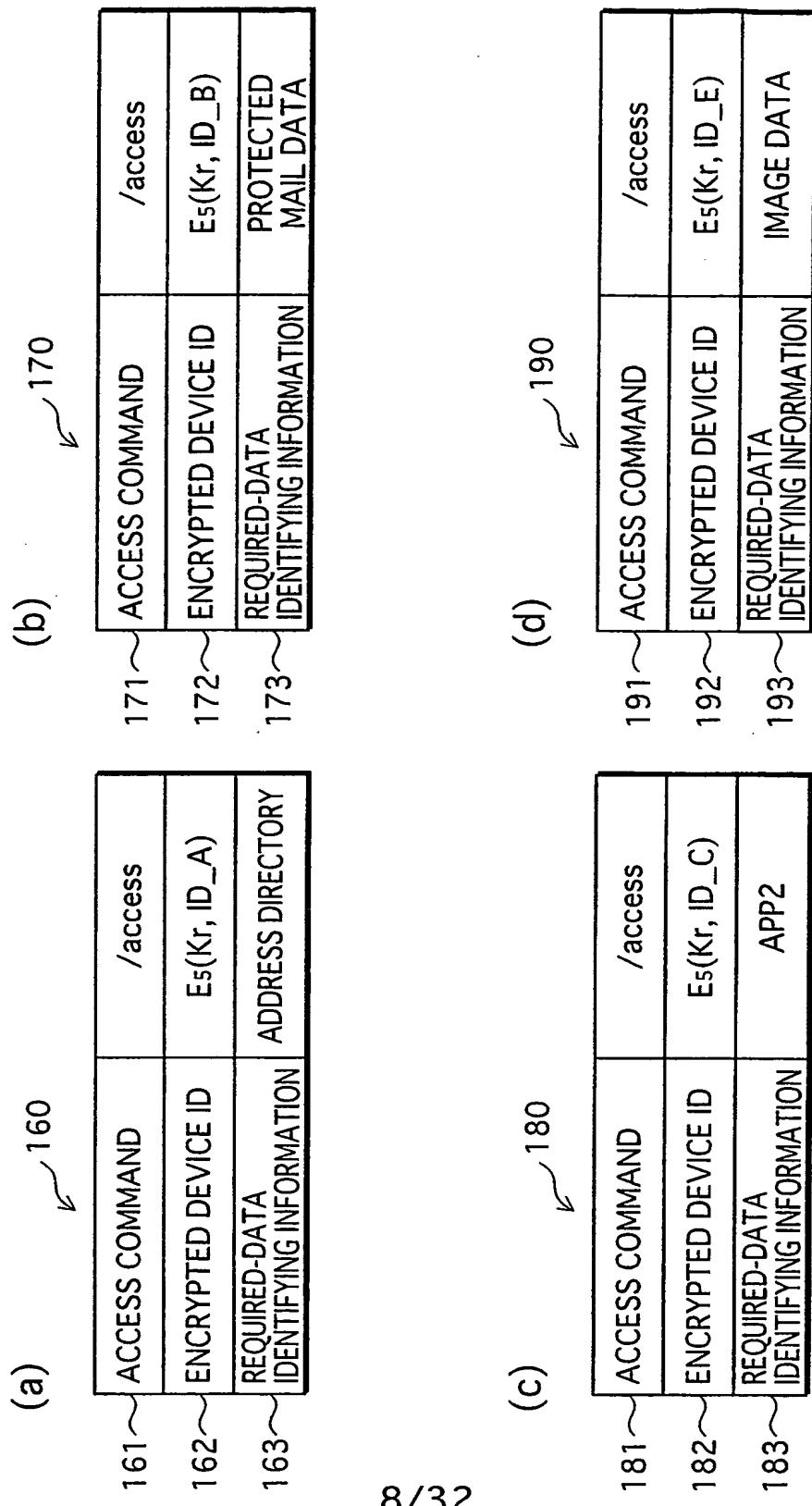


FIG.9

200  
↙

BLOCK NUMBER	DATA IDENTIFYING INFORMATION
1	APP1 APP2 ADDRESS DIRECTORY DATA PROTECTED MAIL DATA
2	SCHEDULE DATA IMAGE DATA ⋮
3	APP3 ⋮

FIG.10 20 CELLULAR PHONE

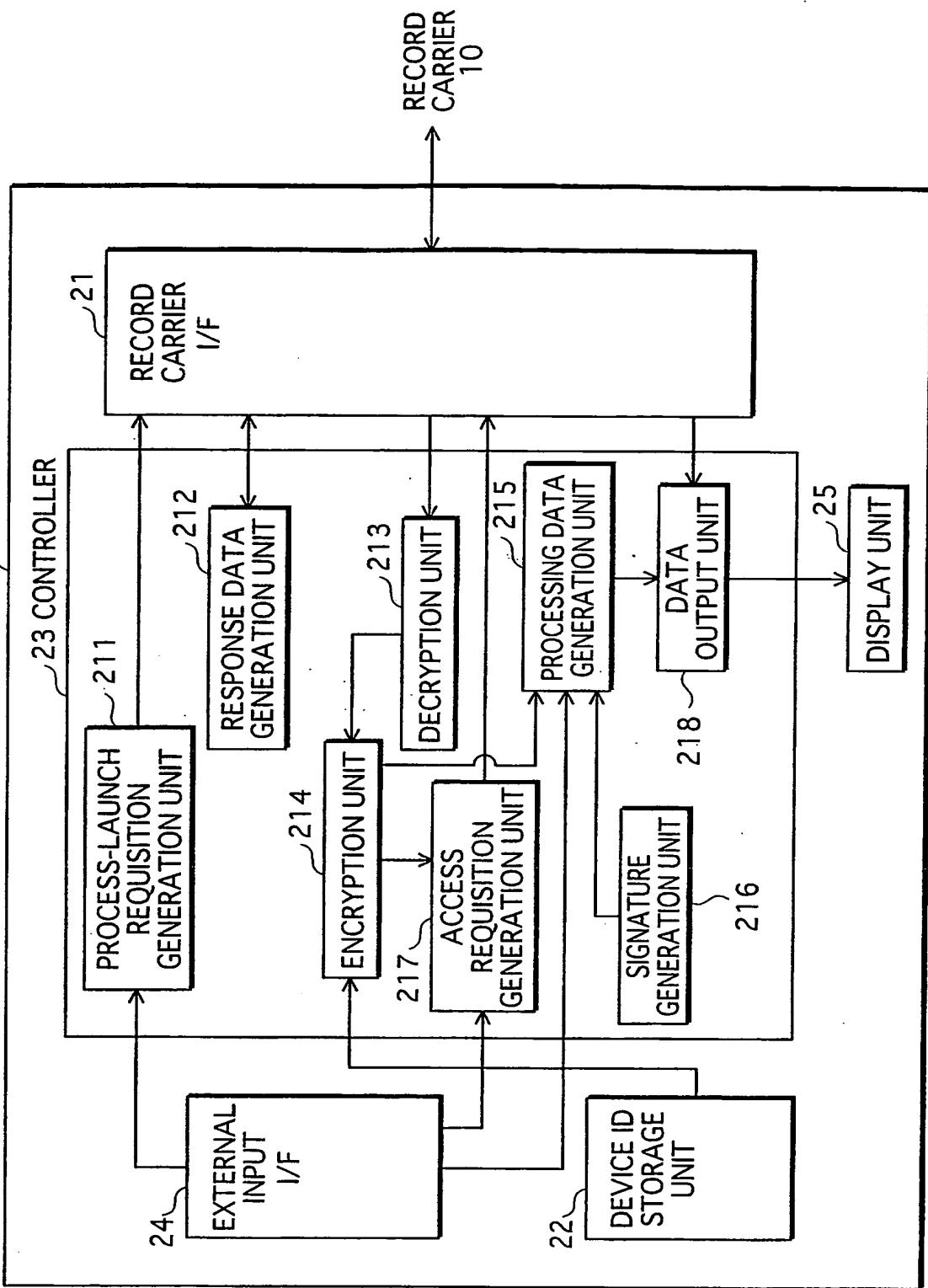


FIG. 11

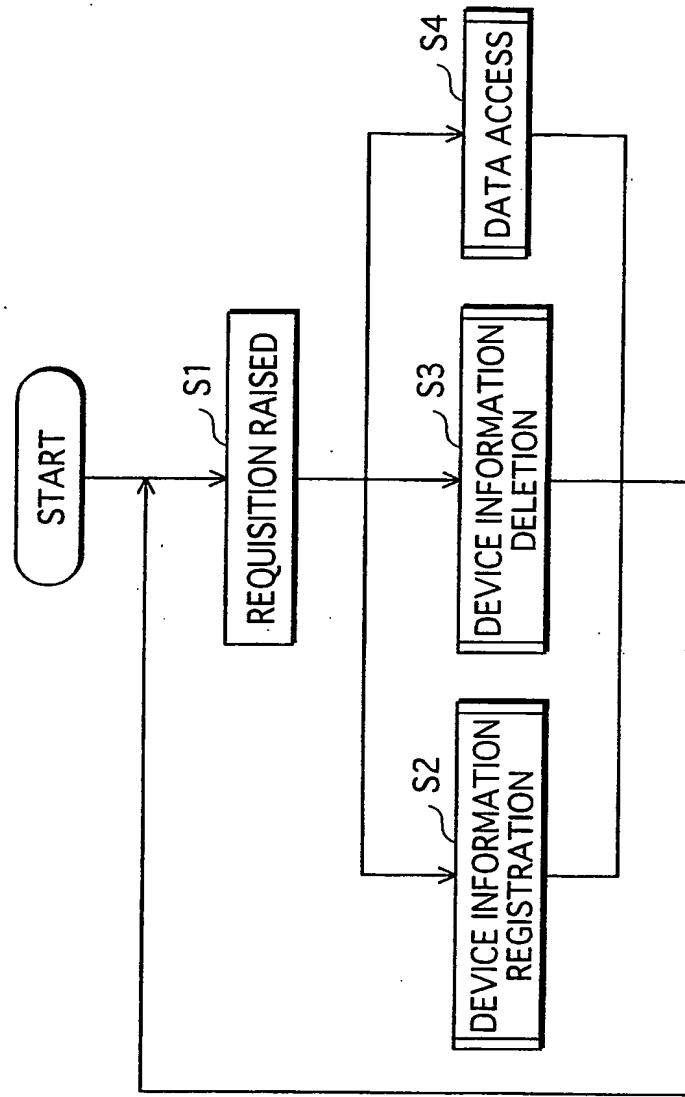


FIG.12

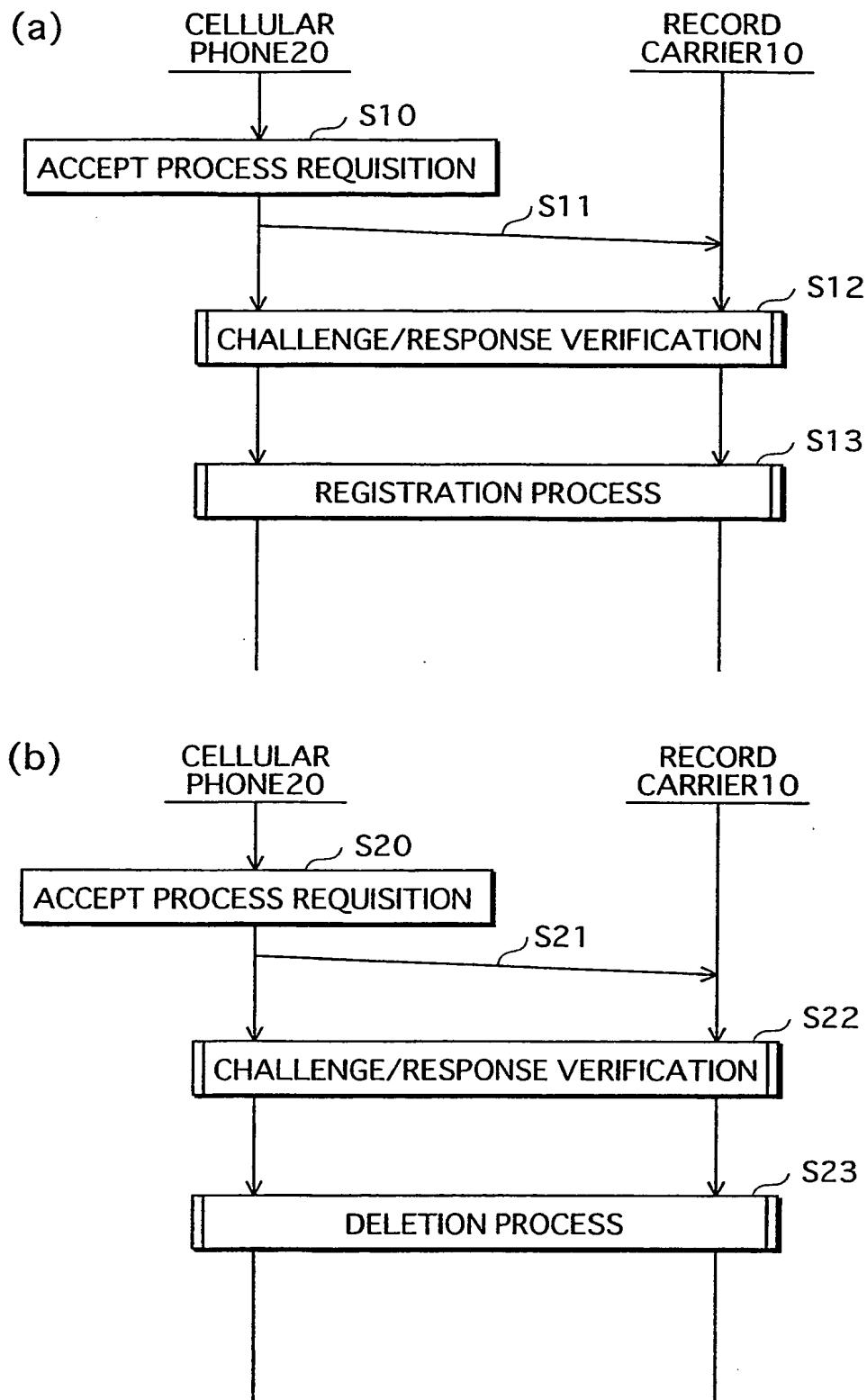


FIG.13

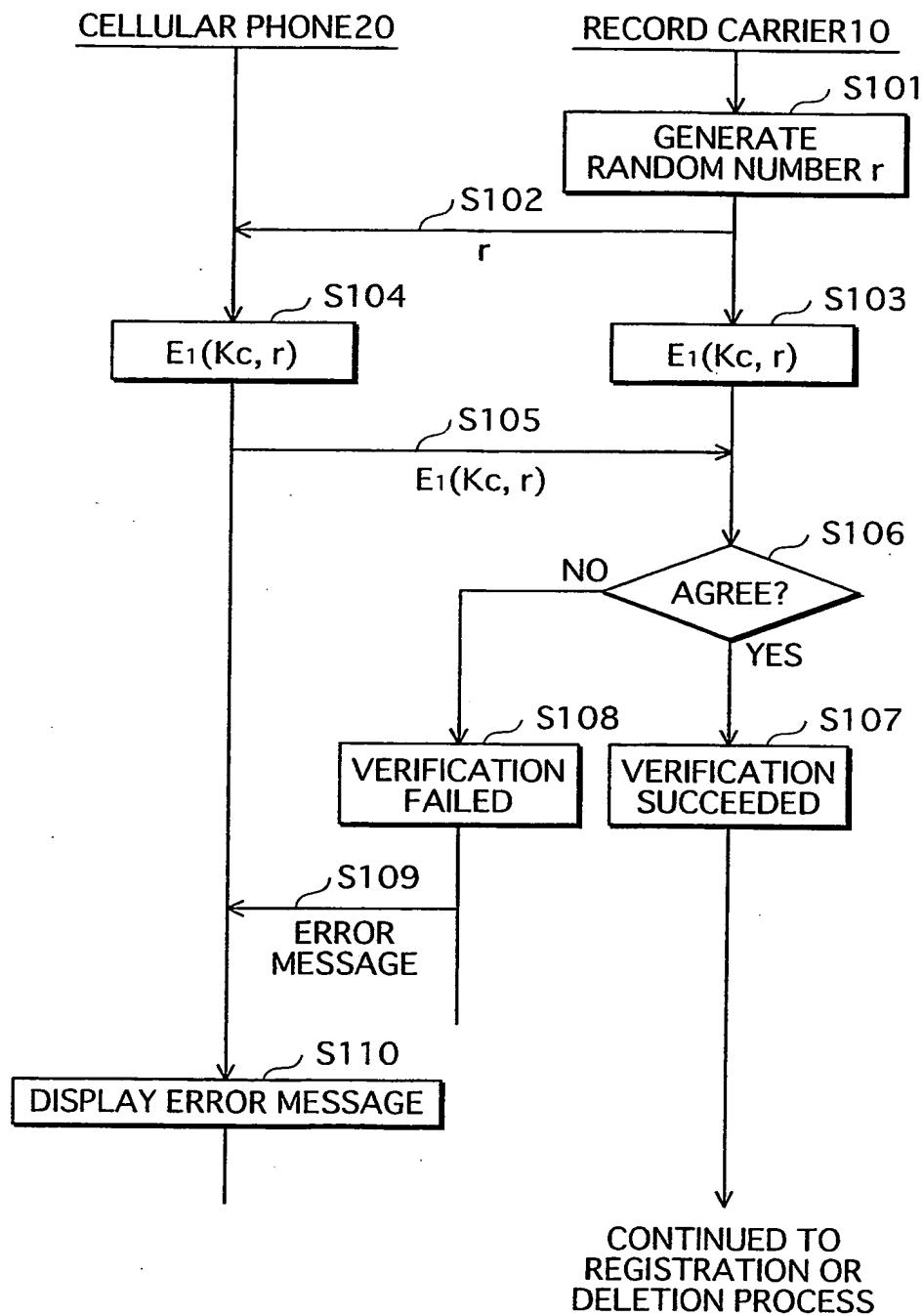


FIG.14

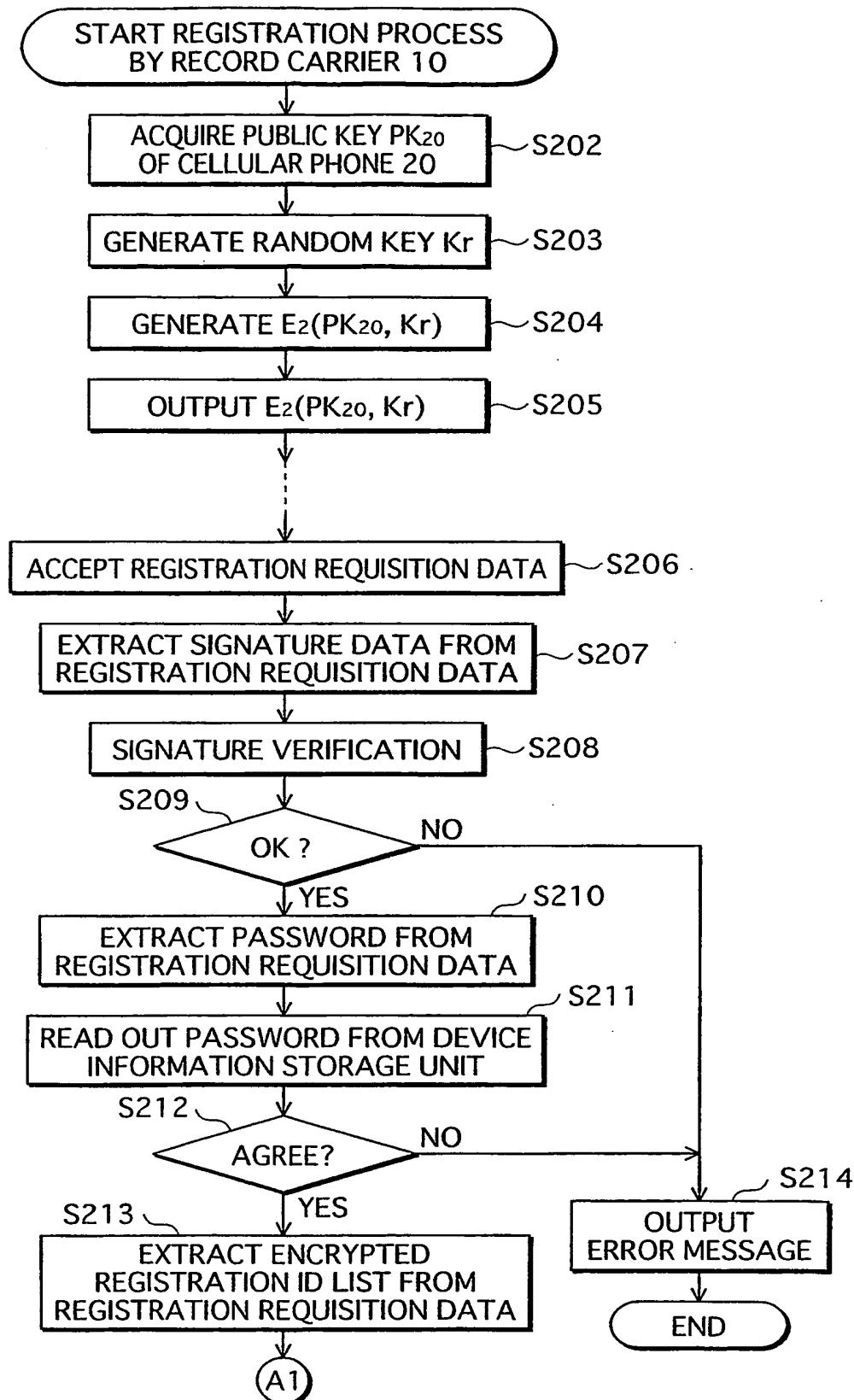


FIG.15

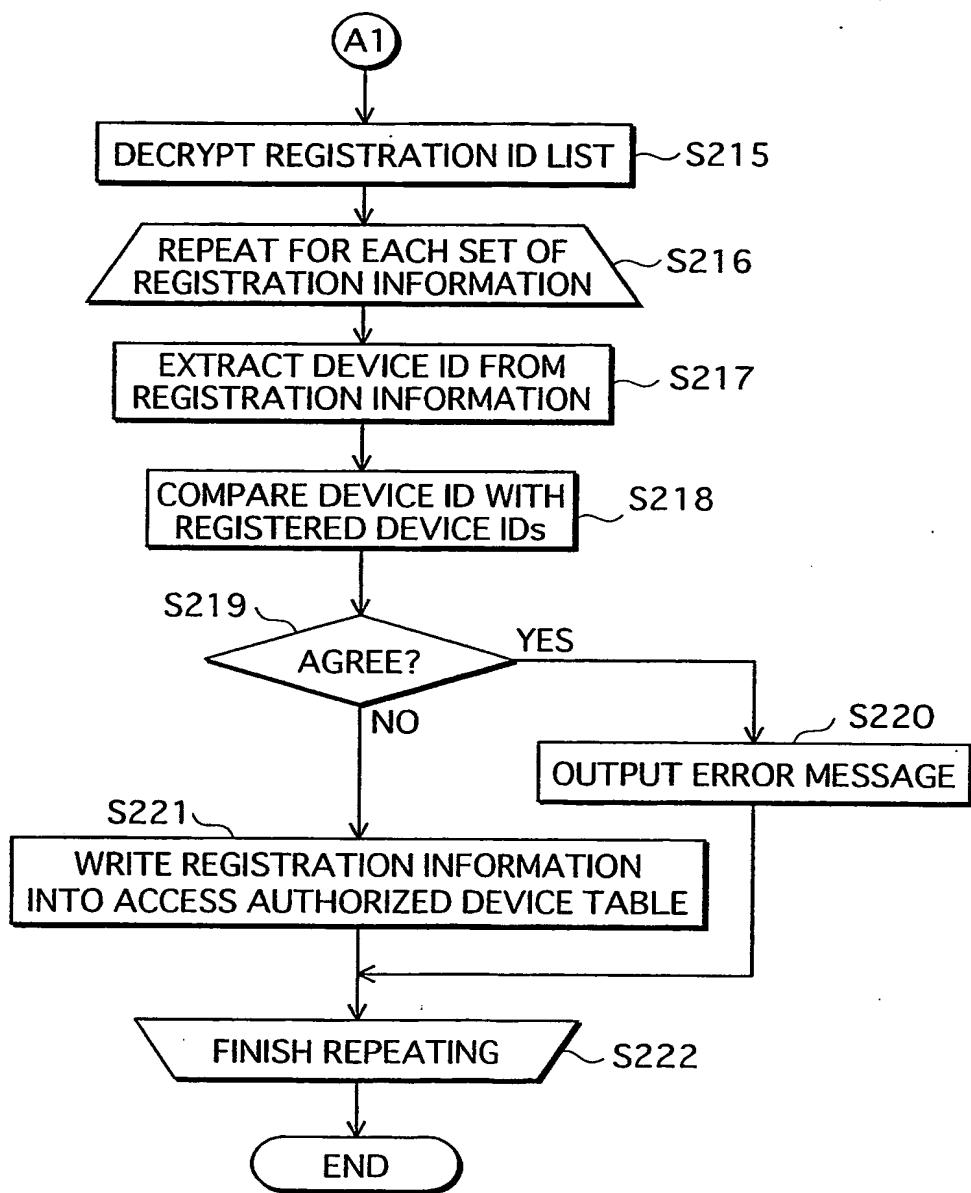


FIG.16

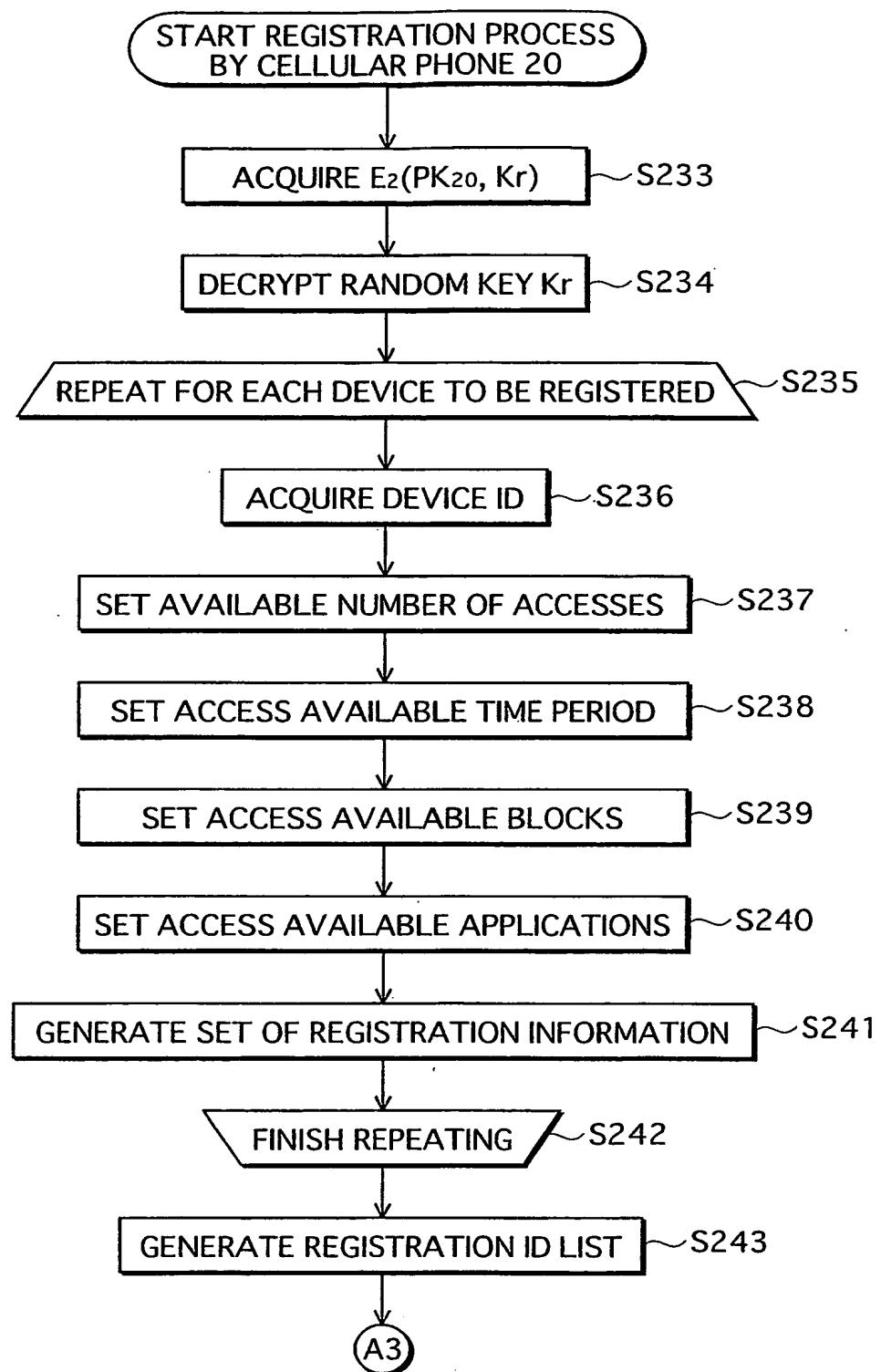


FIG.17

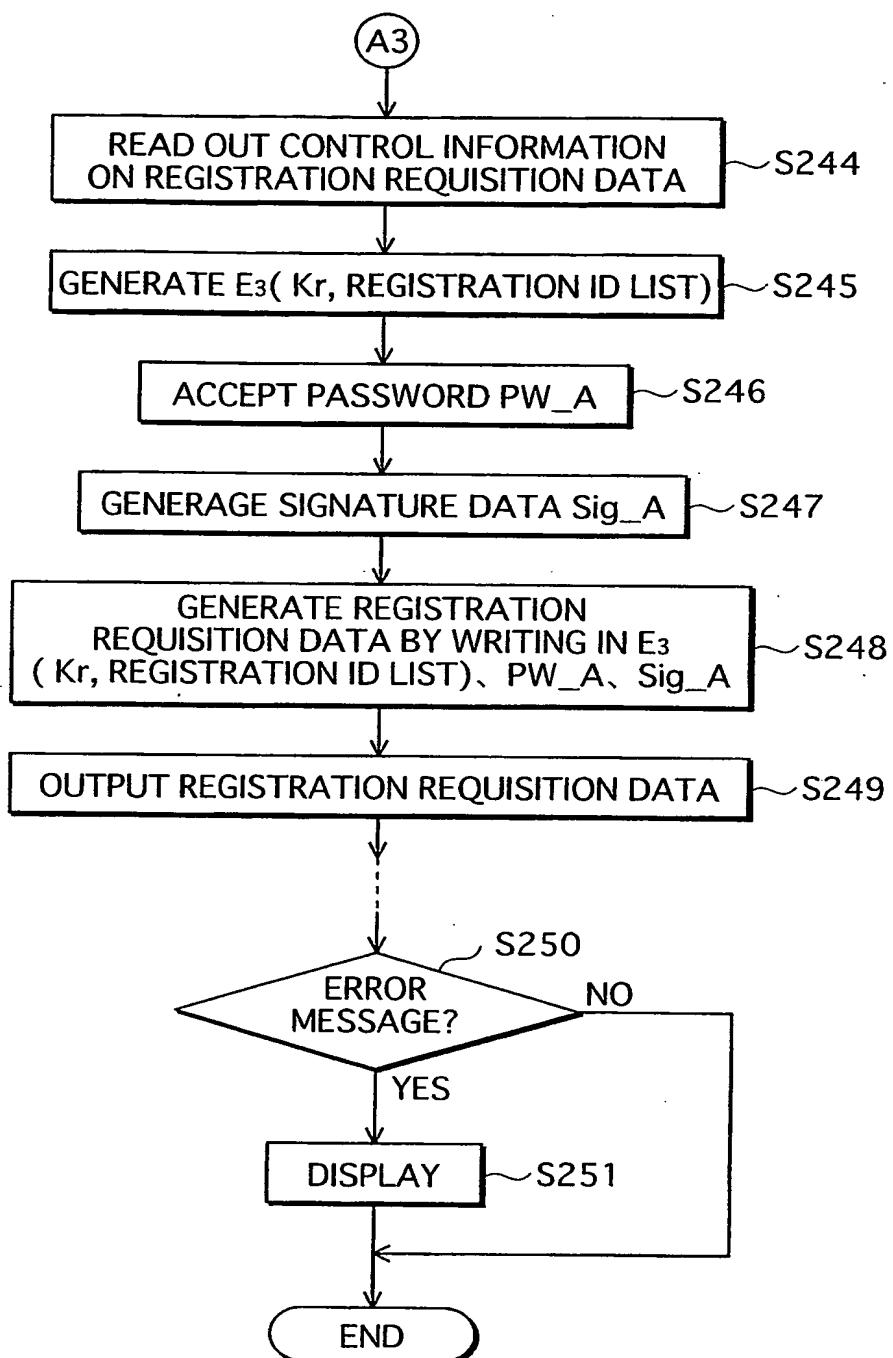


FIG.18

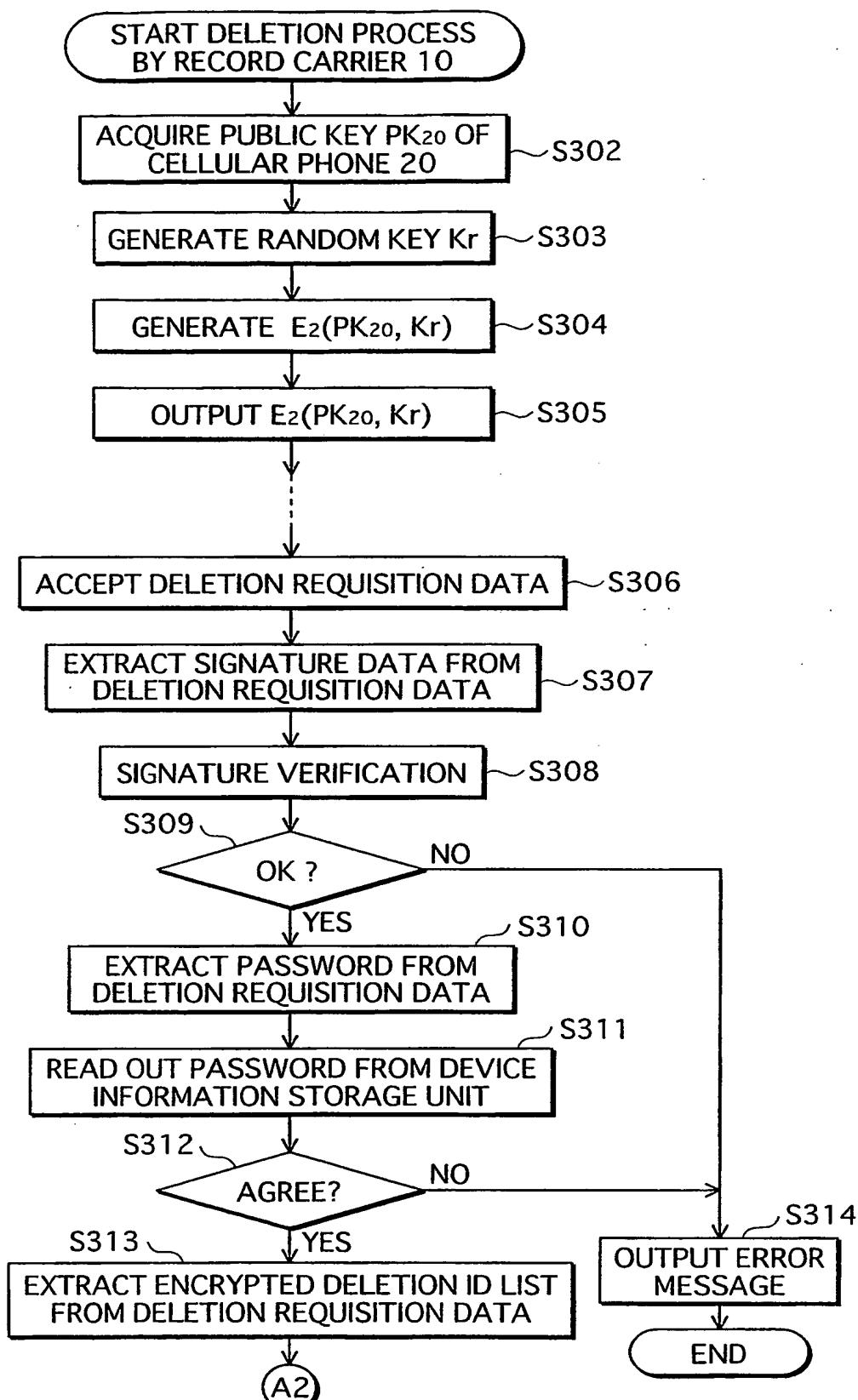


FIG.19

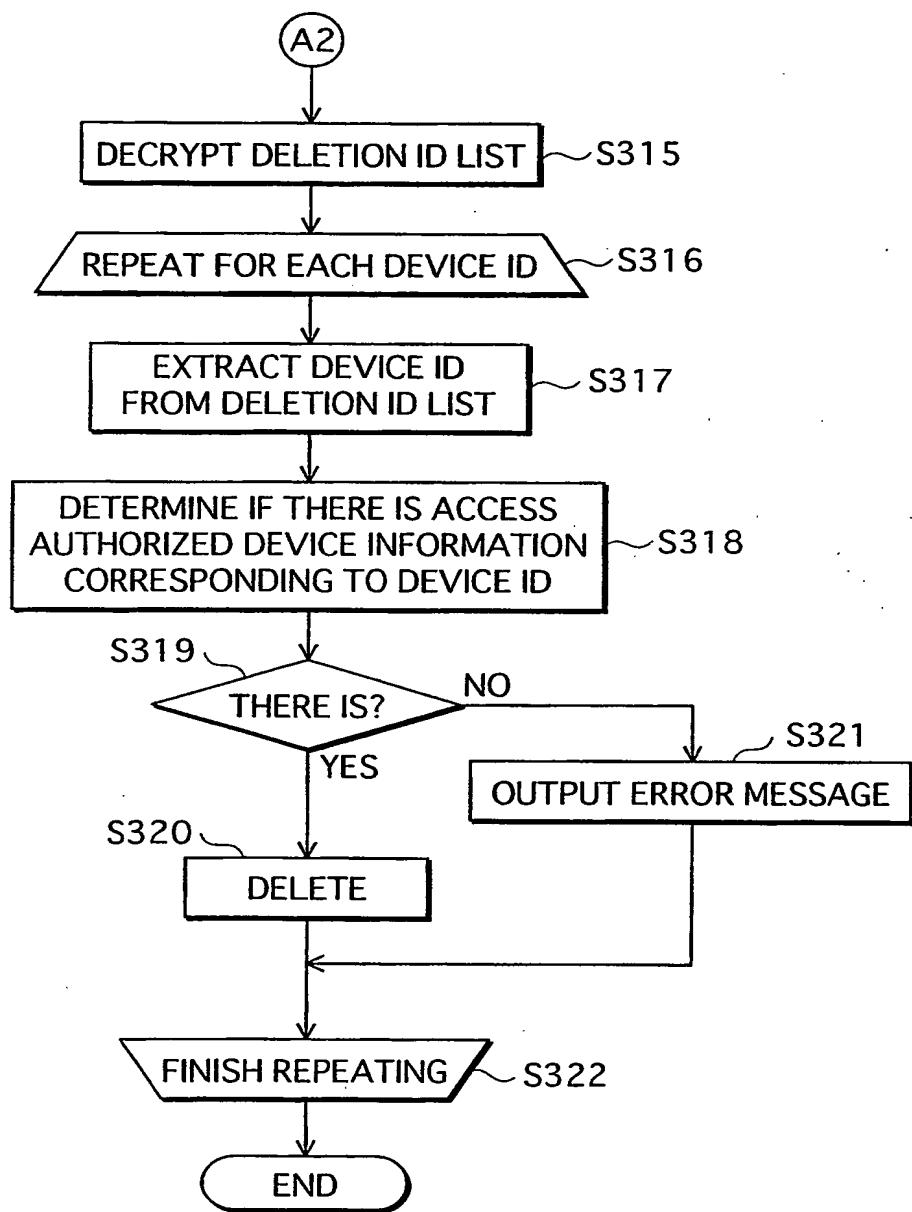


FIG.20

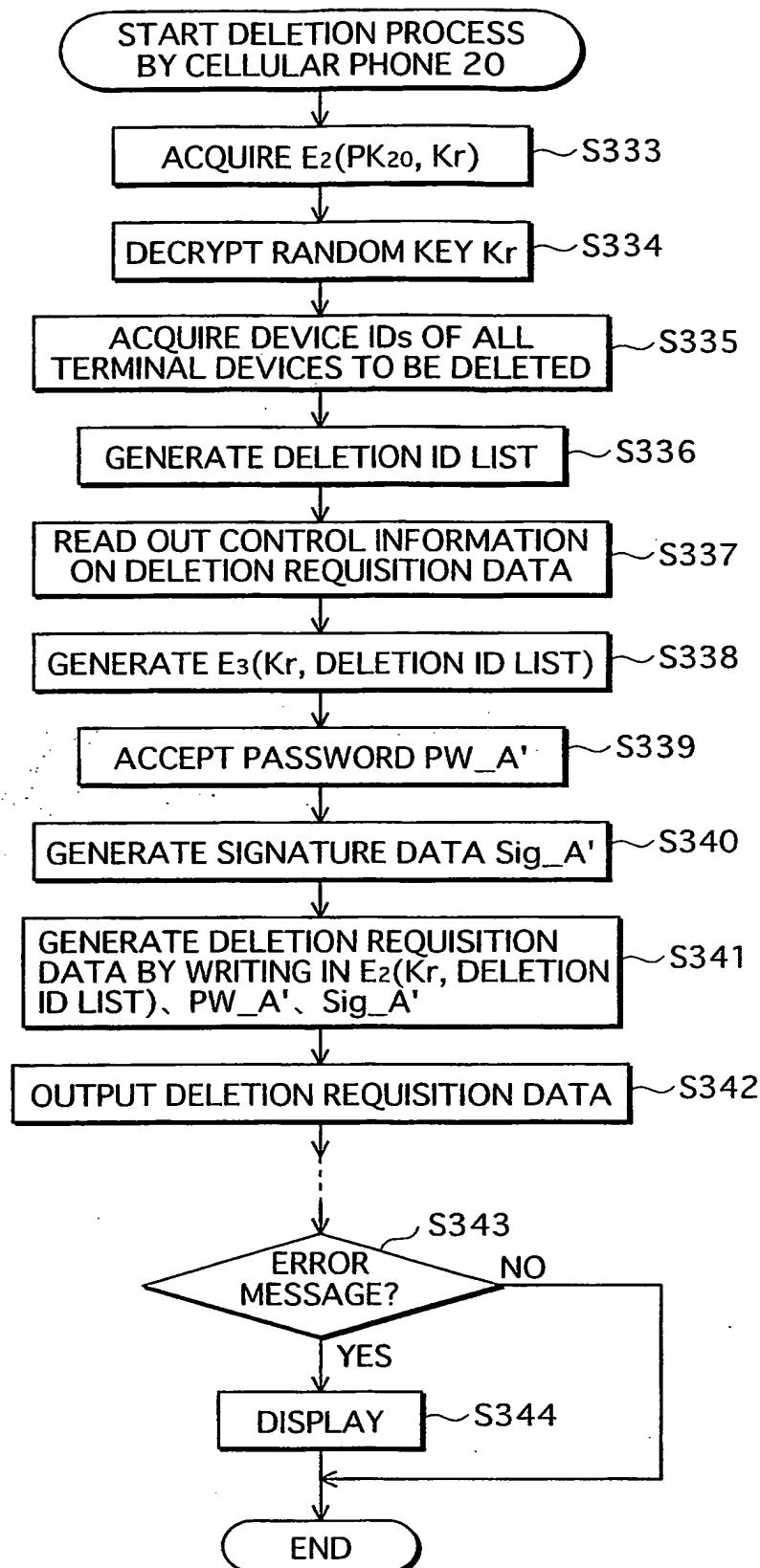


FIG.21

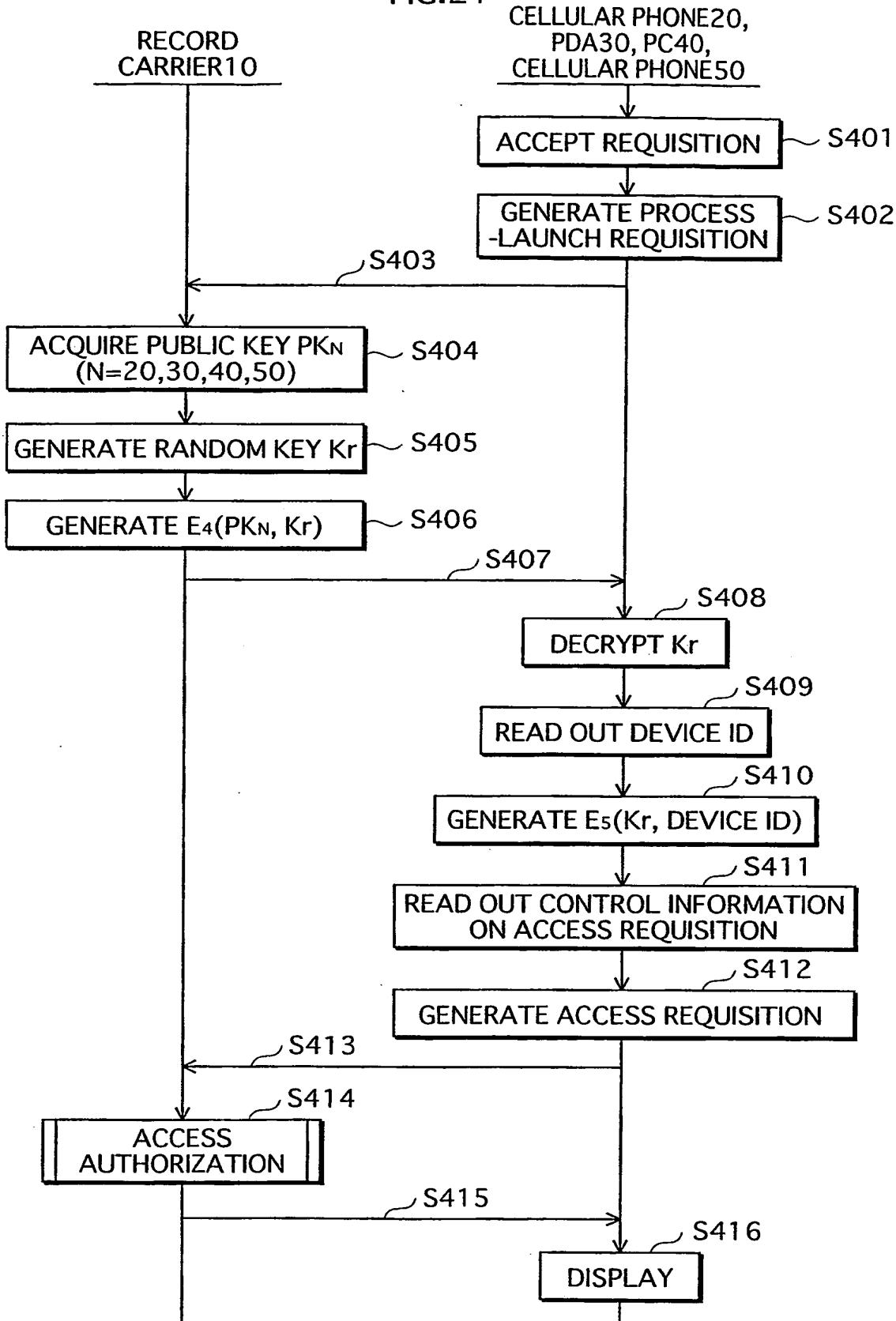


FIG.22

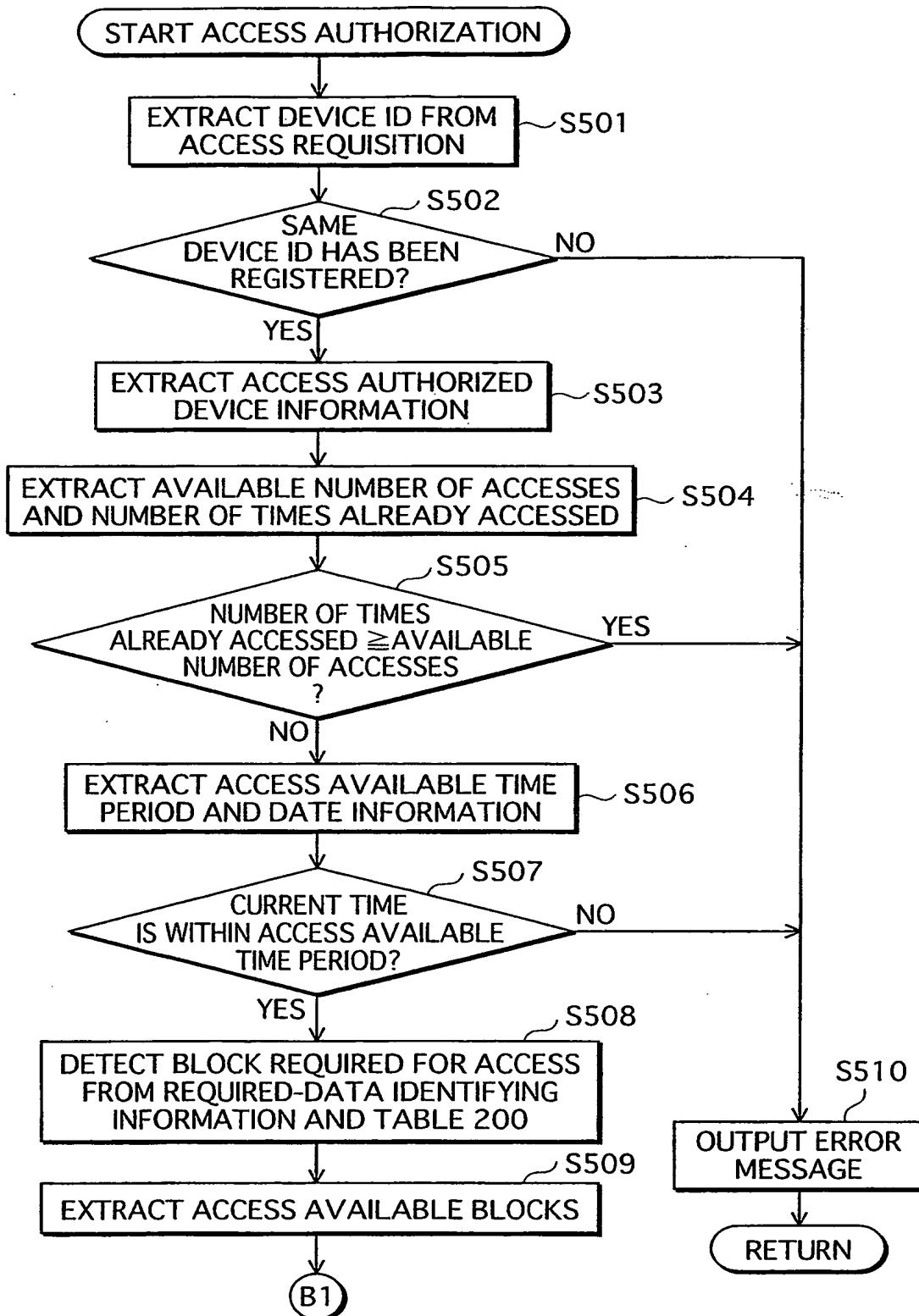
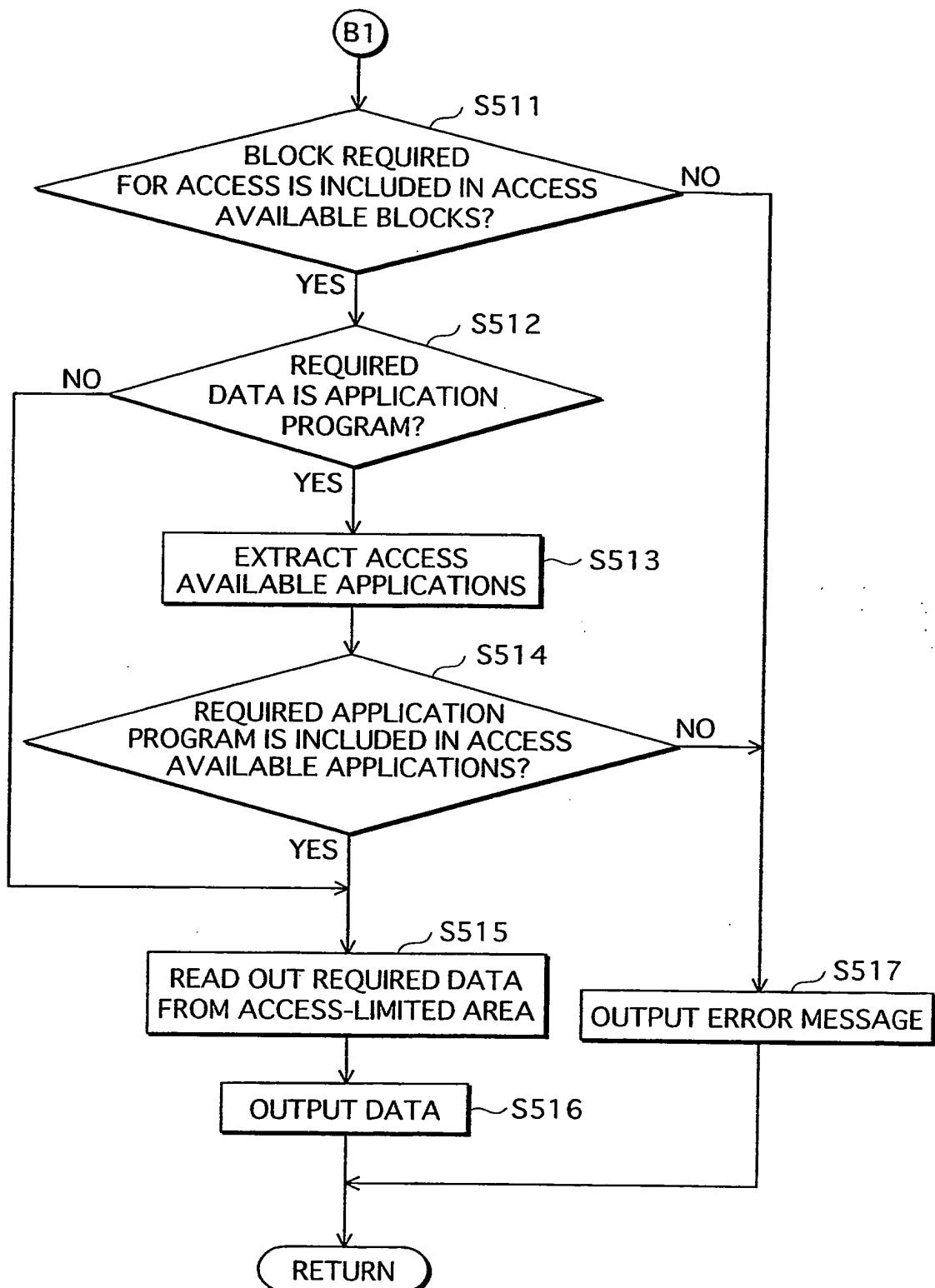


FIG.23



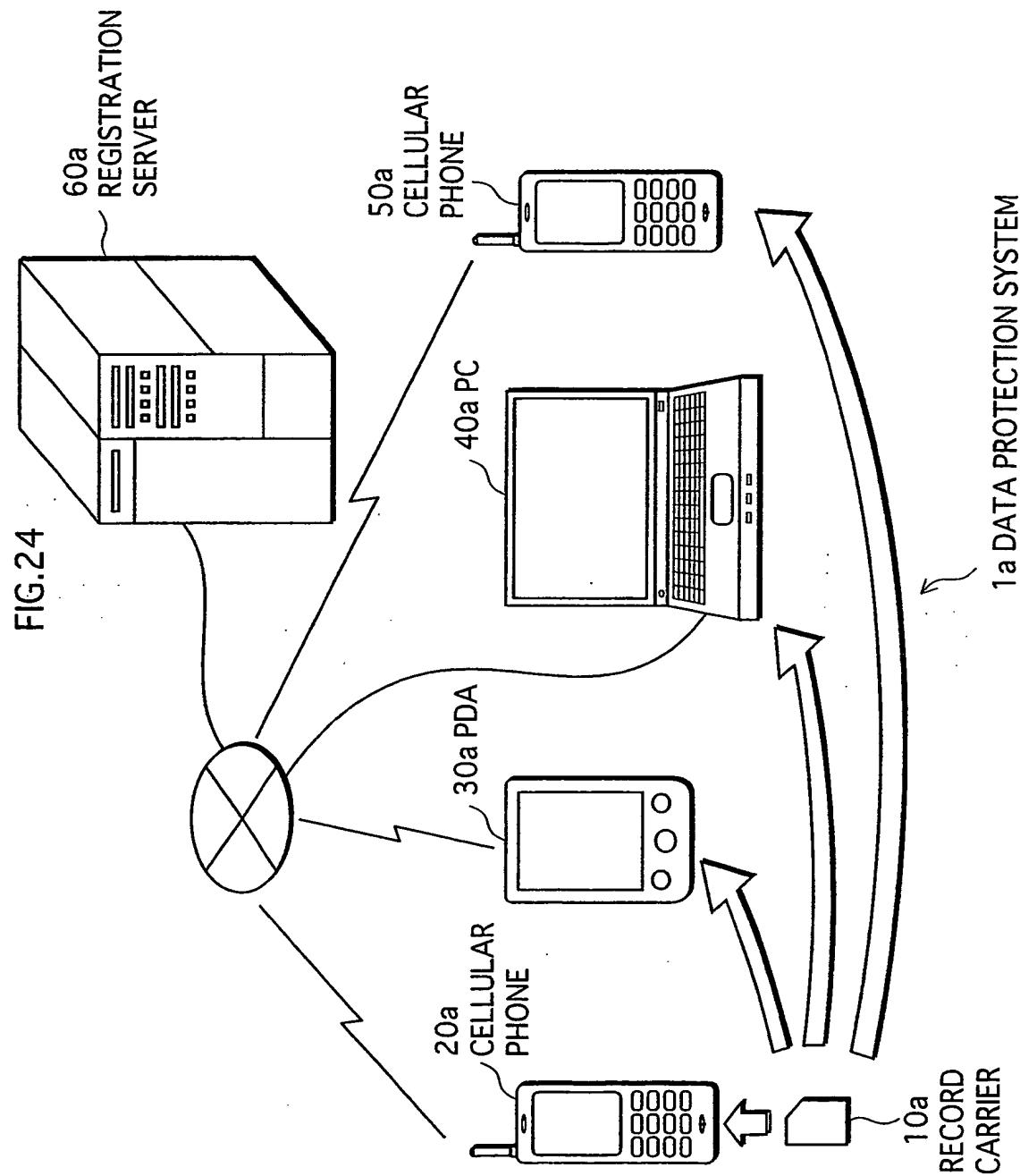


FIG.25

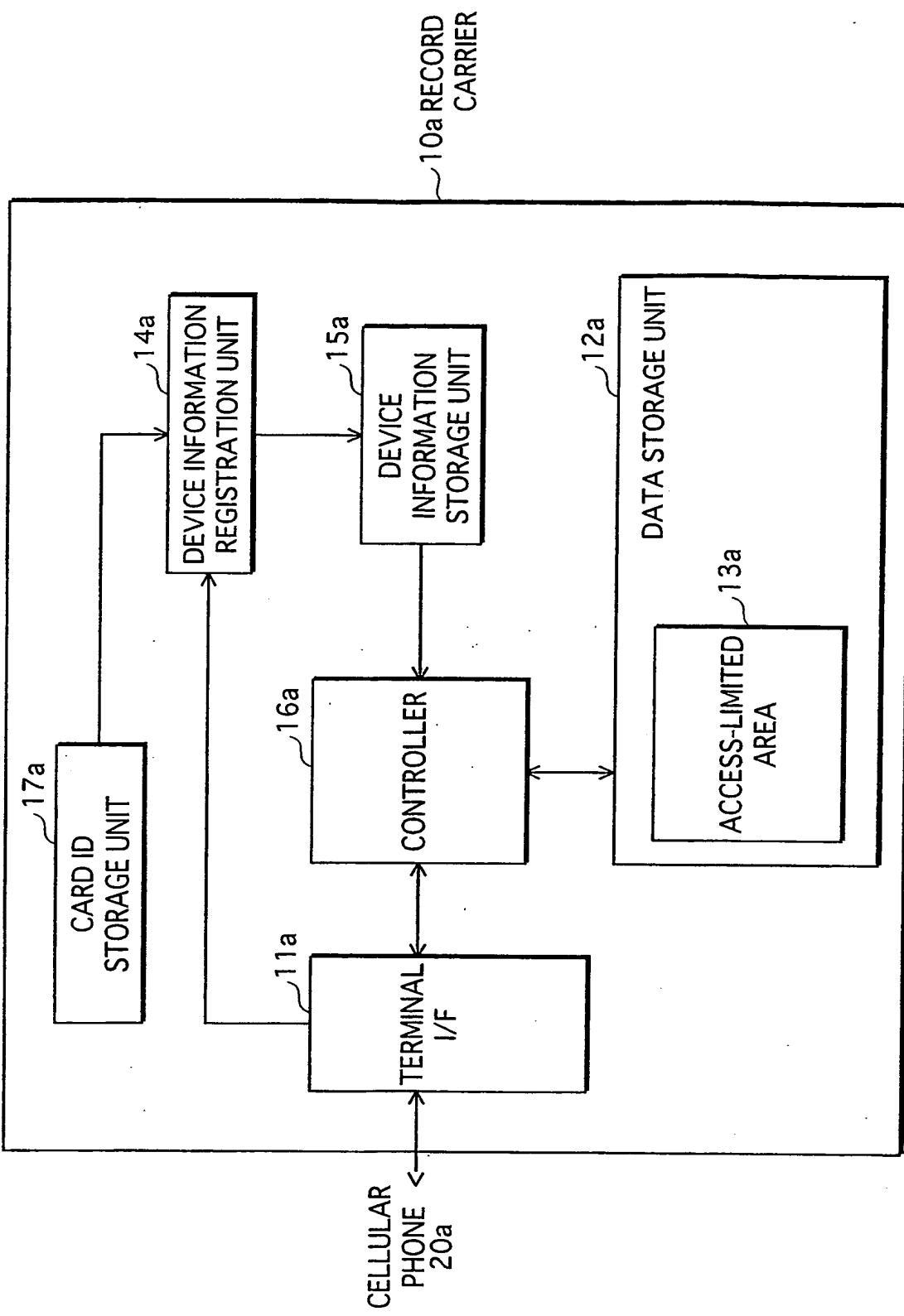


FIG.26

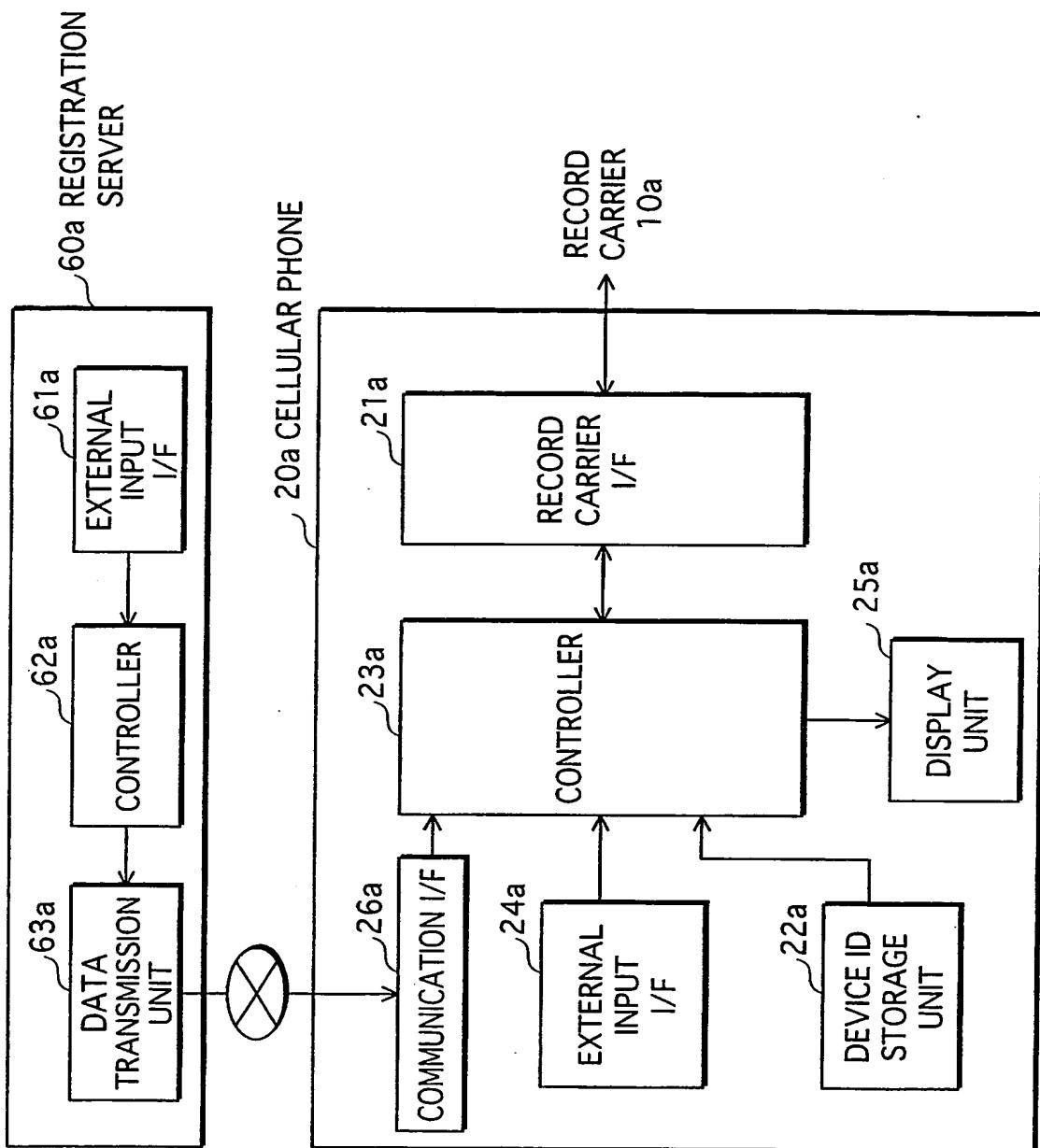


FIG.27

(a) 310

311 ~	REGISTRATION COMMAND	/REGISTER
312 ~	ENCRYPTED REGISTRATION ID LIST	E(Kr, REGISTRA TION ID LIST)
313 ~	CARD ID	CID_A
314 ~	DEVICE ID	ID_B
315 ~	SIGNATURE DATA	Sig_A

(b) 320

321 ~	DELETION COMMAND	/DELETE
322 ~	ENCRYPTED DELETION ID LIST	E(Kr, DELETION ID LIST)
323 ~	CARD ID	CID_A
324 ~	DEVICE ID	ID_C
325 ~	SIGNATURE DATA	Sig_B

FIG.28

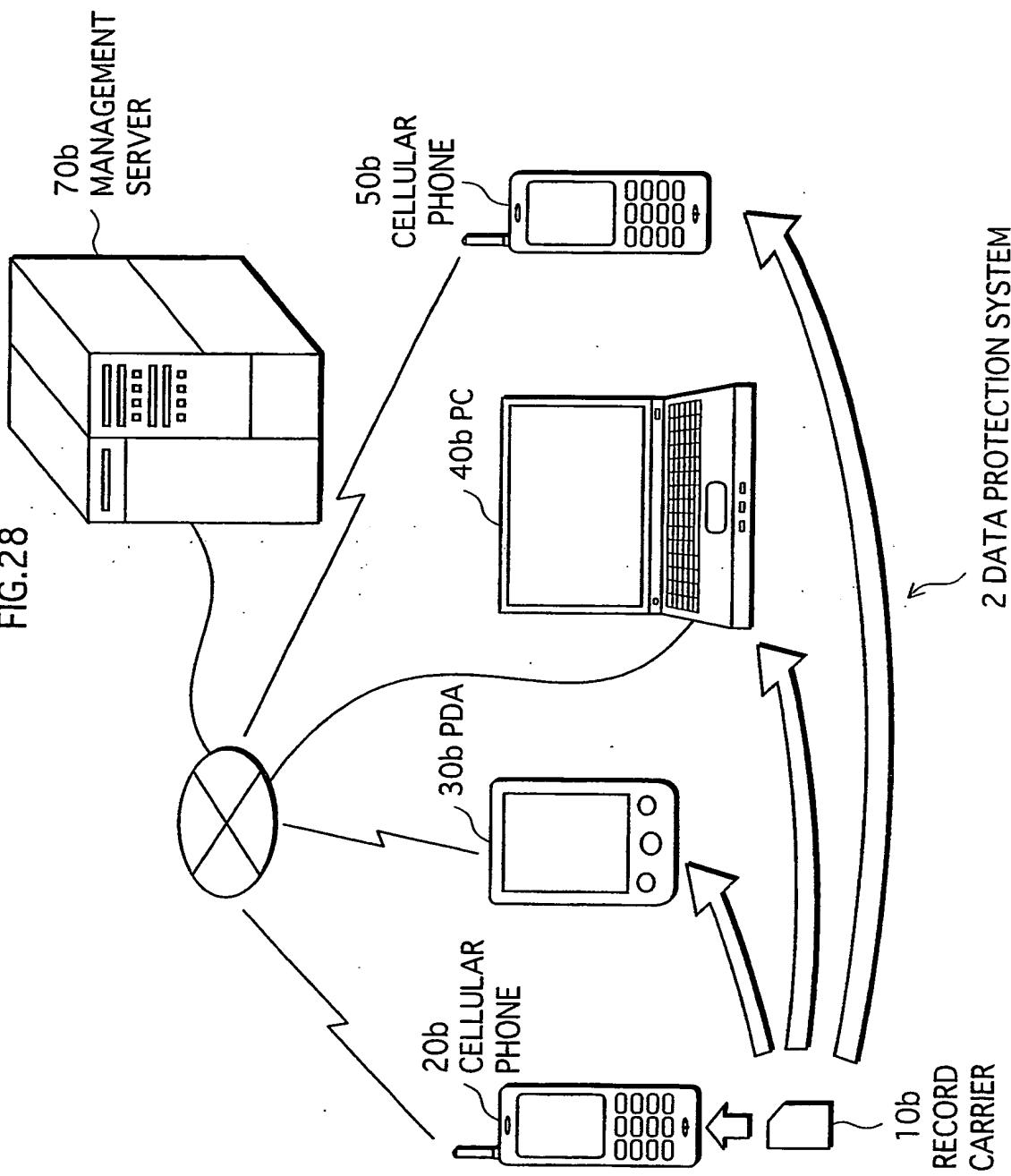


FIG.29

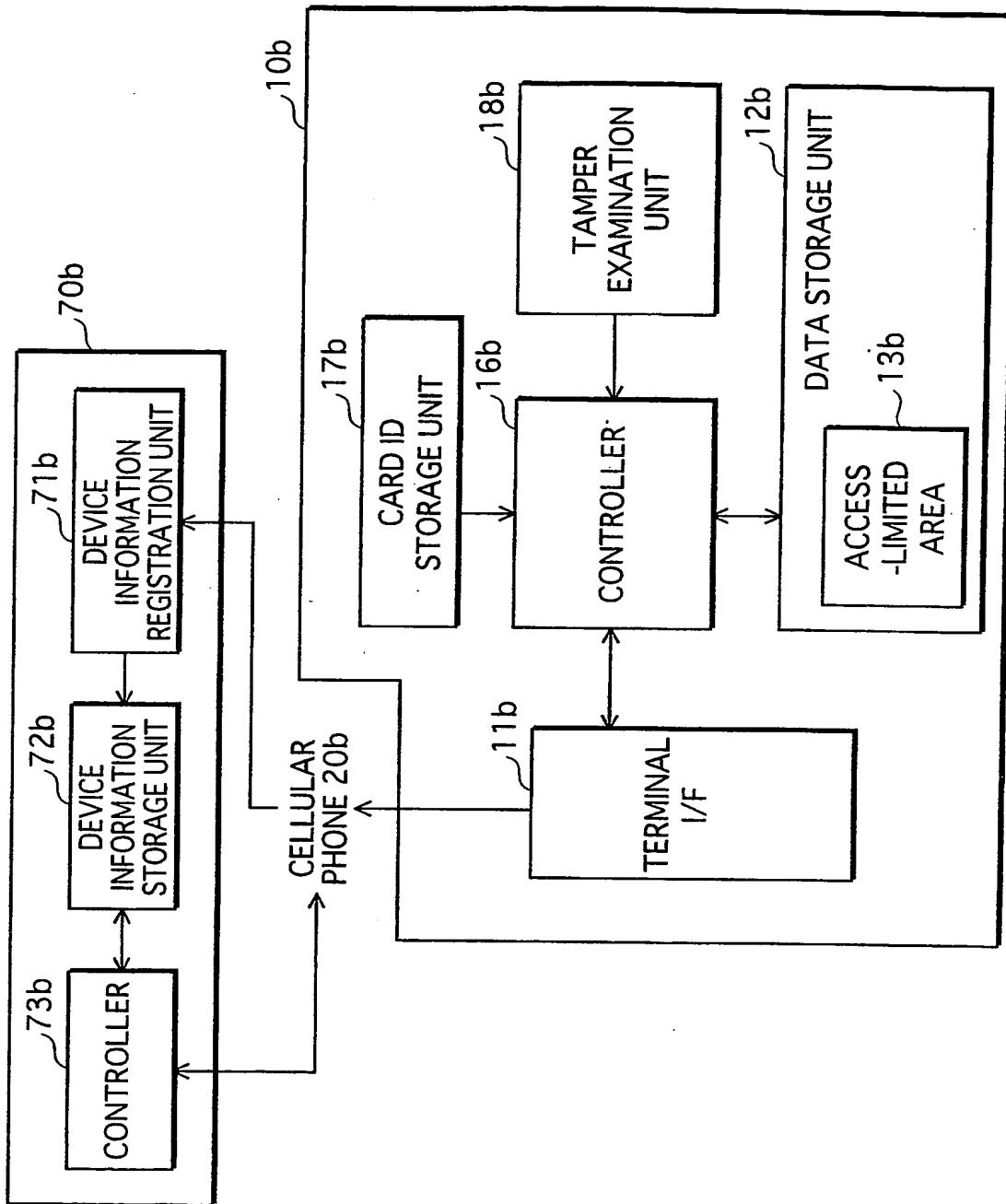


FIG.30

CARD ID	CID_A	AVAILABLE NUMBER OF ACCESS	ACCESS AVAILABLE TIME PERIOD	ACCESS AVAILABLE BLOCK	ACCESS AVAILABLE APPLICATION
ID_A	UNLIMITED	UNLIMITED		UNLIMITED	UNLIMITED
ID_B	3	1/8/2004 -31/7/2005		BLOCK2	-
ID_C	5	1/8/2004 -31/7/2006		BLOCK1 BLOCK2	APP1

FIG.31

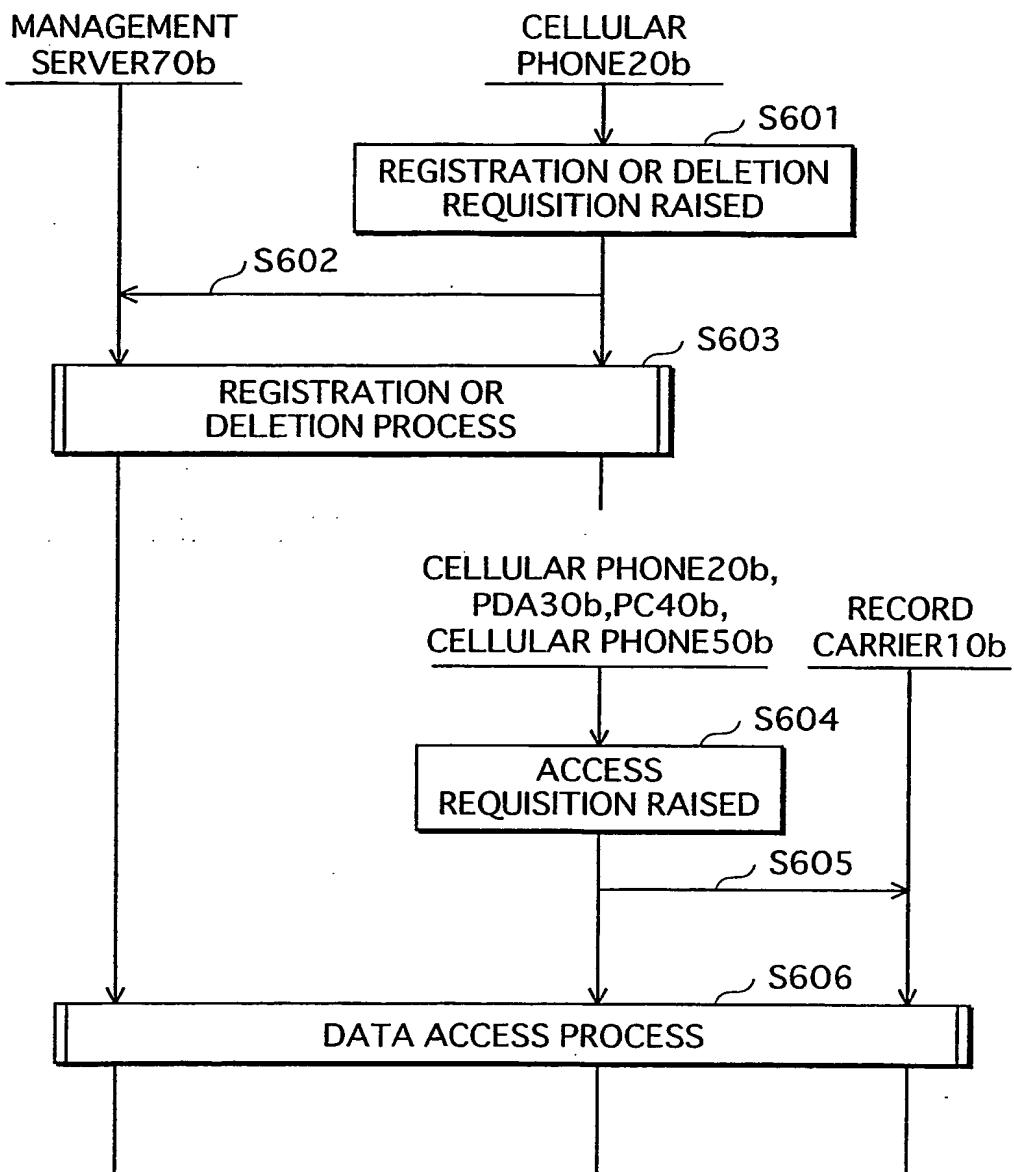


FIG.32

